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Inventor Information for 10/033513

Inventor Name	City	State/Country
TAIPALE, DANA J.	AUSTIN	TEXAS
KOIRALA, DIPESH	AUSTIN	TEXAS

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Last Name = TAIPALE
First Name = DANA

Application#	Patent#	Status	Date Filed	Title	Inventor Name 7
10131662	Not Issued	061	04/24/2002	METHOD AND APPARATUS FOR DETERMINING AN UPPER DATA RATE FOR A VARIABLE DATA RATE SIGNAL	TAIPALE, DANA
10033513	Not Issued	077	12/26/2001	POST-CORRELATION INTERPOLATION FOR DELAY LOCKED LOOPS	TAIPALE, DANA J.
09499402	6477679	150	02/07/2000	METHODS FOR DECODING DATA IN DIGITAL COMMUNICATION SYSTEMS	TAIPALE, DANA J.
09498852	6477681	150	02/07/2000	METHODS FOR DECODING DATA IN DIGITAL COMMUNICATION SYSTEMS	TAIPALE, DANA J.
09131213	6310856	150	08/07/1998	CDMA COMMUNICATIONS SYSTEM HAVING A SEARCHER RECEIVER AND METHOD THEREFOR	TAIPALE, DANA JOHN
08867657	Not Issued	164	06/02/1997	SYMMETRICAL AUDIO EQUALIZER AND METHOD THEREFOR	TAIPALE, DANA

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First Name = DIPESH

Application#	Patent#	Status	Date Filed	Title	Inventor Name 3
10131662	Not Issued	061	04/24/2002	METHOD AND APPARATUS FOR DETERMINING AN UPPER DATA RATE FOR A VARIABLE DATA RATE SIGNAL	KOIRALA, DIPESH
10033513	Not Issued	077	12/26/2001	POST-CORRELATION INTERPOLATION FOR DELAY LOCKED LOOPS	KOIRALA, DIPESH

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the classic **early late** gate tracking 'S-curve'. A ... channel **on-time** received samples is performed using a. serial **correlator** started at the assumed symbol ...
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...87 4.1.4 Timing **Interpolator**...36 FIGURE 21. **EARLY LATE** STRUCTURE...37 FIGURE 22. S CURVE FOR **EARLY LATE**...
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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
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IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
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☐ 1. **Decision-directed coherent delay-lock tracking loop for DS-spread-spectrum signals**
de Gaudenzi, R.; Luise, M.;
Communications, IEEE Transactions on
Volume 39, Issue 5, May 1991 Page(s):758 - 765
AbstractPlus | Full Text: PDF(508 KB) **IEEE JNL**

☐ 2. **Spread-spectrum ranging multipath model validation**
Braasch, M.S.; DiBenedetto, M.F.;
Aerospace and Electronic Systems, IEEE Transactions on
Volume 37, Issue 1, Jan 2001 Page(s):298 - 304
AbstractPlus | Full Text: PDF(564 KB) **IEEE JNL**

☐ 3. **From matched filters to martingales**
Kailath, T.;
Information Theory, 1998. Proceedings. 1998 IEEE International Symposium on
16-21 Aug. 1998 Page(s):2
AbstractPlus | Full Text: PDF(44 KB) **IEEE CNF**

☐ 4. **A combined coherent carrier recovery and decision-directed delay-lock-loop scheme for DS/SSMA communication systems employing complex spreading sequences**
Marx, F.E.; Linde, L.P.;
Spread Spectrum Techniques and Applications, 1998. Proceedings., 1998 IEEE 5th Internationa
Symposium on
Volume 3, 2-4 Sept. 1998 Page(s):837 - 842 vol.3
AbstractPlus | Full Text: PDF(568 KB) **IEEE CNF**

☐ 5. **A non-coherent tracking scheme for the RAKE receiver that can cope with unresolvable multipath**
Aue, V.; Fettweis, G.P.;
Communications, 1999. ICC '99. 1999 IEEE International Conference on
Volume 3, 6-10 June 1999 Page(s):1917 - 1921 vol.3
AbstractPlus | Full Text: PDF(464 KB) **IEEE CNF**

☐ 6. **Comparison of PN code tracking digital DLL's for direct sequence spread spectrum syste**
Maljevic, I.; Sousa, E.S.;
Personal, Indoor and Mobile Radio Communications, 2004. PIMRC 2004. 15th IEEE Internationa
Symposium on
Volume 4, 5-8 Sept. 2004 Page(s):2944 - 2948 Vol.4
AbstractPlus | Full Text: PDF(699 KB) **IEEE CNF**

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L2	0	first with second with third with correlator with (on adj time) with (non adj on adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L3	0	first same second same third same correlator same (on adj time) same (non adj on adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L4	1063	first same second same third same correlator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L5	424	first with second with third with correlator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L6	0	(on adj time) with (non adj on adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L7	142	on adj time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L8	0	non adj on adj time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52

L9	142	L7 and L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L10	0	L5 and L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L11	66	first with second with third with correlator with time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L12	0	interpolat$3 with first with second with third with correlator with time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L13	3	interpolat$3 with first with second with third with correlator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L14	5	interpolat$3 same first same second same third same correlator same time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
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L16	0	(on adj time) and (non adj on adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52

L17	3	interpolat$3 with correlator with sample with shift$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
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L19	13	interpolat$3 same correlator same sample same early same late	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L20	0	("2002/0037028").URPN.	USPAT	OR	ON	2005/06/09 10:52
L21	0	("2003/0118085").URPN.	USPAT	OR	ON	2005/06/09 10:52
L22	3841	delay adj locked adj loop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L23	90	interpolat$3 and correlator and early and late and (delay adj locked adj loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L24	90	interpolat$3 and correlator and early and late and (delay adj locked adj loop) and (post adje correlator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L25	1	interpolat$3 and correlator and early and late and (delay adj locked adj loop) and (post adj correlator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
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L35	0	early with late with(from)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
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L41	1	interpolat$3 same correlator same early same late same ontime	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
L42	2	interpolat$3 and correlator and (early with late) and ontime	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52

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L59	1420	375/373	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 10:52
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